



## MATERIAL SAFETY DATA SHEET

In accordance with EEC Commission directive 91/155

OBN TCF 70

### IDENTIFICATION

Chemical Name: Tocopherol  
Trade Name: OBN TCF 70

### COMPOSITION/INFORMATION ON THE COMPONENTS

Substance Name: Mix Alpha-Delta-Gamma Tocopherol  
Hazardous Components in Product: None  
Chemical Family: Tocopherol

### HAZARD IDENTIFICATION

Risk Phrases: None  
Health Effects/Eyes: None  
Health Effects/Skin: Not expected to present a significant skin hazard under anticipated conditions of normal use. Not irritant.  
Health Effects/Inhalation: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.  
Health Effects/Ingestion: Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

### FIRST AID MEASURES

Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration. Seek medical advice.  
Skin Contact: Wash skin with mild soap.  
Eye Contact: In case of eye contact, immediately rinse with clean water.  
Ingestion: DO NOT INDUCE VOMITING. Seek medical attention immediately.

## **FIRE FIGHTING MEASURES**

|                               |   |
|-------------------------------|---|
| Flammable Class:              | Combustible.  |
| Prevention:                   | No naked lights. No smoking. Keep away from sources of ignition.      |
| Suitable Extinguishing Media: | Carbon dioxide, dry chemical, foam, water spray.                      |
| Special Exposure Hazards:     | None  |
| Protection Against Fire:      | Wear full protective clothing and self-contained breathing apparatus. |

## **ACCIDENTAL RELEASE MEASURES**

|                            |  |
|----------------------------|--|
| Personal Precautions:      | Equip cleanup crew with proper protection. No smoking. Wear recommended personal protective equipment.                             |
| Environmental Precautions: | Notify authorities if liquid enters into public waters. Prevent spread of material by use of temporary bund or impervious barrier. |
| Spillages:                 | Clean up any spills as soon as possible, using an absorbent material to collect it. Flush with plenty of water.                    |

## **HANDLING AND STORAGE**

|           |  |
|-----------|--|
| Handling: | Handle in accordance with good industrial hygiene and safety procedures. For even minor contact, immediately remove contaminated clothing and wash skin thoroughly with mild soap and water. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking and when leaving work. |
| Storage:  | Storage area should be cool, dry, well ventilated with temperatures from 10°C to 30°C storage constraints. Store away from sources of heat or ignition.  |

## **EXPOSURE CONTROLS/PERSONAL PROTECTION**

|                         |   |
|-------------------------|---|
| Respiratory Protection: | No special respiratory equipment is recommended under normal conditions of use with adequate ventilation. |
| Eye Protection:         | Eye protection, including both chemical splash goggles and face shield, must be                           |

Ingestion:  
Industrial Hygiene:

worn when possibility exists for eye contact due to spraying liquid or airborne particles. When using, do not eat, drink or smoke. Use of the basic principles of industrial hygiene will enable this material to be used safely.

### PHYSICAL AND CHEMICAL PROPERTIES

|                                 |                      |
|---------------------------------|----------------------|
| Physical state at 20°C:         | Liquid               |
| Color:                          | Light Brown          |
| Cloud point:                    | n.d.                 |
| Pour point:                     | n.d.                 |
| Vapor pressure mm/Hg:           | n.d.                 |
| Initial boiling point (°C):     | 200-220°C            |
| Melting point (°C):             | 2-3°C                |
| Flash point (°C):               | >100°C               |
| PH:                             | n.d.                 |
| Solubility in water (% weight): | Not soluble in water |
| Molecular weight:               | n.d.                 |
| Relative density:               | 0.920-0.950 g/cc     |
| Specific gravity:               | n.d.                 |
| Evaporation rate (ether=1):     | n.d.                 |
| Auto-ignition temperature (°C): | n.d.                 |

### STABILITY AND REACTIVITY

|                                   |  |
|-----------------------------------|--|
| Hazardous Decomposition Products: | None   |
| Hazardous Reactions:              | None   |
| Hazardous Properties.             | None under normal conditions                                     |
| Conditions to avoid:              | Open flame   |
| Materials to avoid:               | Alkaline compounds, caustics, alkalies with exothermic reaction. |

### TOXICOLOGICAL INFORMATION

|                 |      |
|-----------------|------|
| Acute Toxicity: | None |
|-----------------|------|

### ECOLOGICAL INFORMATION

|                                  |             |
|----------------------------------|-------------|
| Ecotoxicity:                     | n.d.        |
| Solubility in Water:             | Not soluble |
| Biodegradability:                | n.d.        |
| Bioaccumulation Potential:       | n.d.        |
| Fish Toxicity LD <sub>50</sub> : | n.d.        |

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| <b>DISPOSAL CONSIDERATION</b> |
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|                            |   |
|----------------------------|---|
| Ecotoxicity:               | N.D.  |
| Solubility in water:       | Not soluble                                       |
| Biodegradability:          | N.D.  |
| Bioaccumulation potential: | N.D.  |
| Product disposal:          | According to local, federal and state regulations |

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| <b>TRANSPORT INFORMATION</b> |
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|                                   |                             |
|-----------------------------------|-----------------------------|
| General Information:              | Not classified as dangerous |
| UN No. – ADR/RID – IMO/IMGD Code: | None                        |
| Hazard Label(s):                  | None                        |

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| <b>REGULATORY INFORMATION</b> |
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|                       |      |
|-----------------------|------|
| Labeling Information: | None |
| R Phrase(s):          | None |
| S Phrase(s):          | None |

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| <b>OTHER INFORMATION</b> |
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|                                    |      |
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| Recommended Uses and Restrictions: | None |
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